

ABSTRACT OF THE DISCLOSURE

A sanitizable piston pump for dispensing ingredients of cosmetic preparations and other sanitary mixtures is shown and described. The pump includes a valve block including an inlet port threadably connected to a nipple which is
5 detachably connected to an outlet port of a flexible package. The valve block further includes a piston port threadably connected to cylinder and an outlet port that sealably receives a valve stem. The inlet port, the outlet port and the piston port are in fluid communication with one another upon removal of the valve stem from the valve
10 block. The valve stem includes an intake passage and an output passage. The cylinder slidably receives a piston. Both the piston and valve stem are connected to separate actuators. The actuator connected to the valve stem moves the valve stem into one of either an intake position for withdrawing fluid into the cylinder or a dispense position for pumping fluid out of the cylinder and out the outlet of the valve stem. A disposable plastic piston pump is also disclosed. Further, a lever mechanism
15 for quickly and easily releasing a flexible package from the nipple connected to the valve block of the disclosed piston pumps is also shown and described.